



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

Horton Automatics Division of Overhead Door  
4242 Baldwin Boulevard  
Corpus Christi, TX 78405

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

### DESCRIPTION: Series "110" (Sx-O) Aluminum Automatic Sliding Door w/ Breakout

**APPROVAL DOCUMENT:** Drawing No. 040709-L, titled "Series 2001/110 Impact Single Slide", sheets 1 through 5 of 5, prepared by manufacturer, dated 11/23/09 and last revised on 08-21-13, signed and sealed by John E. Scates, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

#### Limitations:

1. Not approved where water infiltration is required.
2. Electrical/ Electronic functions are not part of this approval and to be reviewed by appropriate Bldg. official.
3. Max DLO not to exceed DLO width = 37" and DLO height = 37", see detail sheet 3.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 12-0801.10 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 13-0530.15  
Expiration Date: August 21, 2018  
Approval Date: August 22, 2013  
Page 1

4  
8/27/13

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections (submitted under files # **12-0801.10/#10-0322.17**)
2. Drawing No. **040709-L**, titled "Series 2001/110 Impact Single Slide", sheets 1 through 5 of 5, prepared by manufacturer, dated 11/23/09 and last revised on 08-21-13, signed and sealed by John E. Scates, P.E.

**B. TESTS** (submitted under files # **12-0801.10/#10-0322.17**)

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94 (Not conducted)  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with installation diagram of an aluminum automatic sliding glass doors, prepared by Hurricane Testing Laboratories, Test Report No. **HTL-0322-1103-07** (phase 2, elevations 1 thru 4), dated 03/14/08 and revised on 06/12/08 by an addendum letter, signed and sealed by Vinu Abraham, P.E.

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis complying w/ FBC 2007, dated d 01/18/10, prepared, signed and sealed by John E. Scates, P.E. (submitted under files **12-0801.10/#10-0322.17**)
2. Glazing complies w/ ASTM E-1300-02 & -04

**D. QUALITY ASSURANCE**

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **08-1224.04** issued to Solutia, Inc. for their "Saflex Composite Glass ® interlayer w/ PET core", expiring on 12/11/2013

**F. STATEMENTS** (All items except #1, submitted under files **12-0801.10/#10-0322.17**)

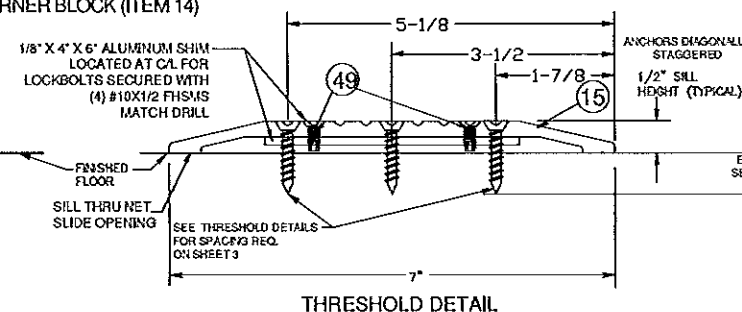
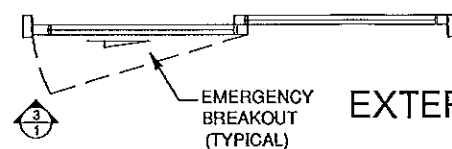
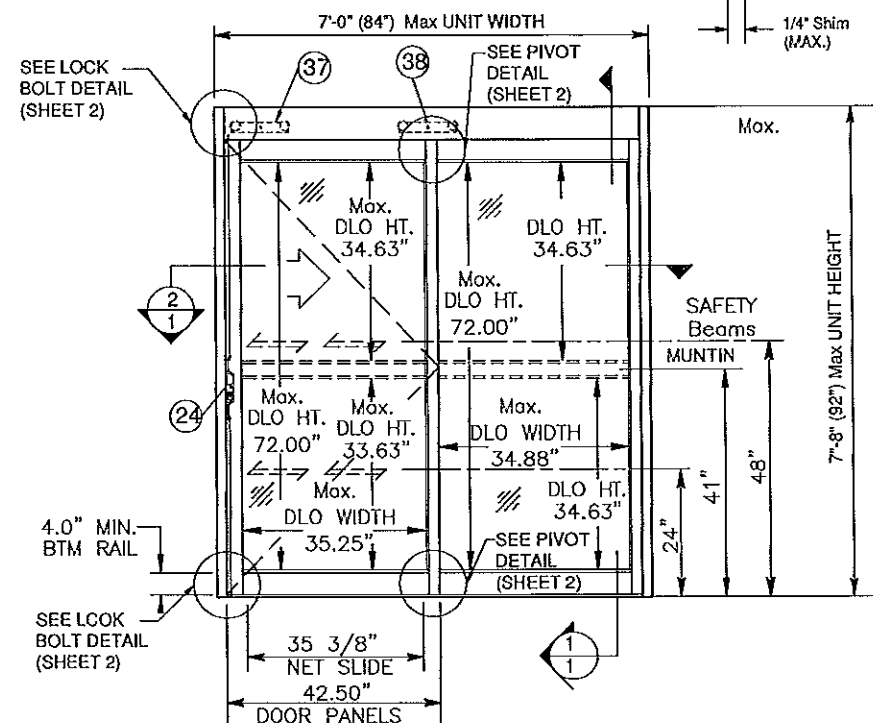
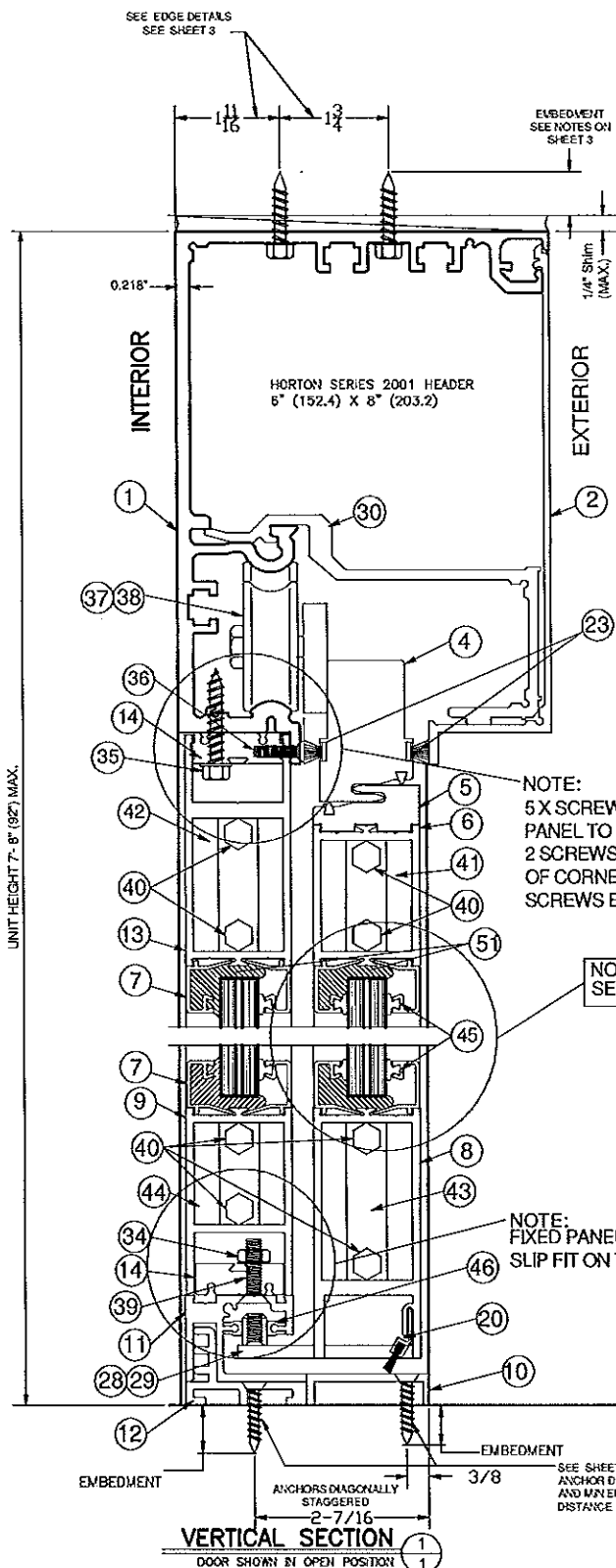
1. Statement letter dated May 13, 2013, issued by Horton Automatics requesting renewal with "No Change", signed by Federico Romero, Director of Engineering
2. Statement letter of conformance to FBC 2010 & "No financial interest", dated June 29, 2010, signed & sealed by John E. Scates, P.E. (submitted under files **12-0801.10**).
3. Statement letter of conformance to FBC 2007 & "No financial interest", dated 01/18/10, signed & sealed by John E. Scates, P.E. (submitted under file # **10-322.17**)
4. Addendum letter dated 06-12-08, issued by Hurricane Testing lab, signed and sealed by Vinu Abraham, P. E.
5. Lab compliance as part of the above referenced test report.

**G. OTHER**

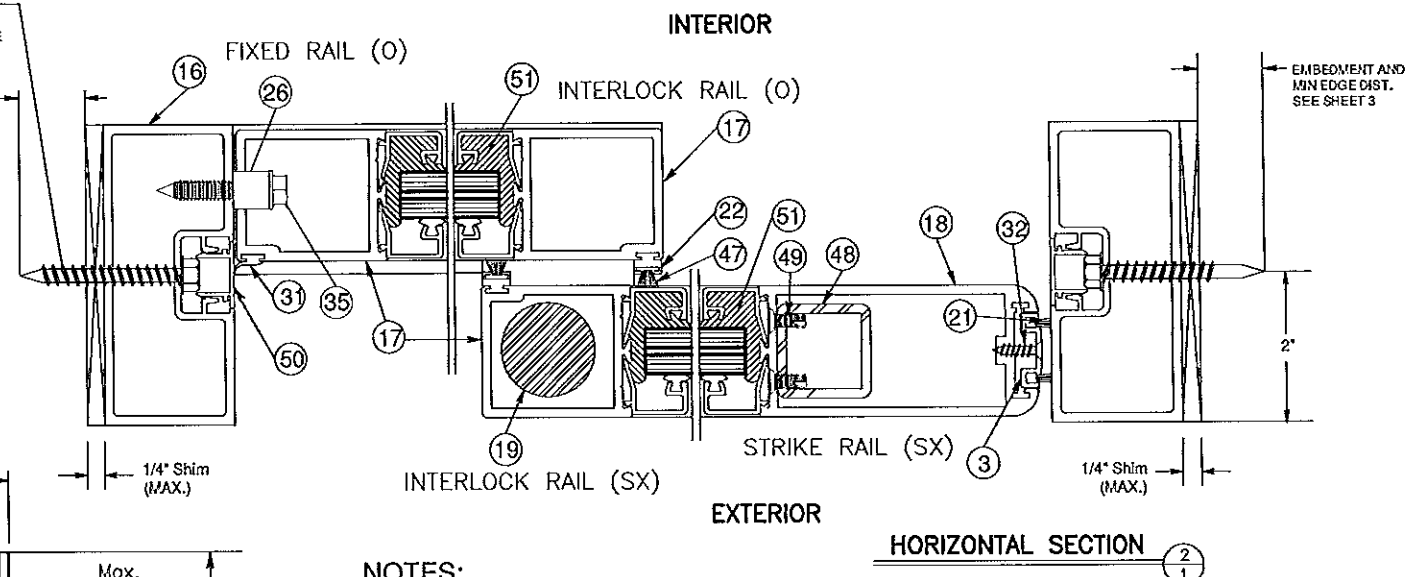
1. This NOA revises & renews NOA # **10-0322.17**, expiring on August 21, 2013.

  
Ishaq I. Chanda, P.E.  
Product Control Examiner  
NOA No. 13-0530.15  
Expiration Date: August 21, 2018  
Approval Date: August 22, 2013

NOTE:  
For fastener location and type see sheets 3  
The 1.6 wind load allowance was used  
in the wood anchor calculations.



Locking Mechanism : 3point Locking Device Standard (24)(25)(27)  
(see sheet 4)



#### NOTES:

1. This product has been designed and tested to comply with the current Florida Building Code, including High Velocity Hurricane Zone (HVHZ).
2. Electrical/Electronic functions are not part of this approval and must be reviewed by appropriate building official.
3. See anchor installation details concerning types, substrate, edge distance, spacing and embedment on sheet 3.
4. 1x or 2x wood bucks by others must be secured properly to transfer loads using appropriate fasteners and quantities. Fasteners to secure wood buck must penetrate concrete or grouted CMU jamb substrate minimum 2.0" at head and sill.
5. Permit holder shall verify the adequacy of the existing structure to withstand additional imposed loads.
6. 1/4" max shim allowed. Type of shim to comply with Florida Building Code and be capable of resisting frame rotation.
7. All structural extrusions are 6063-T5 Aluminum with typical thickness of 1/8", unless otherwise specified.

#### Single Slide Doors

Where Water Infiltration Requirement is needed	Where Water Infiltration Requirement is NOT needed
Not Approved	± 80 PSF

Panel Width  
nom. door  
42-1/2"

Net Slide  
opening  
35 3/8"

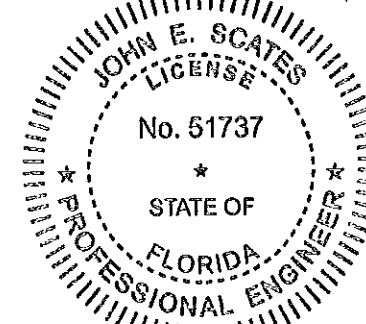
Available Unit Sizes:  
7'-0"W X 7'-8"H Max size (0-SX) or (SX-0)

3 - Point Lock  
( See Sheet 4)

Series 110 Impact Slide

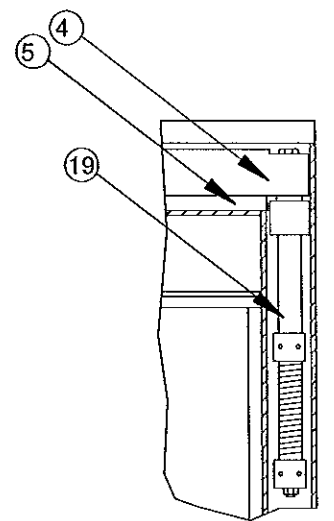
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1	RELEASE FOR P.E. APPROVAL	11/25/09	CONTRACTOR:
2	REVISED AS PER P.E. MARK-UPS	12/29/09	SERIES: 2001/110 TYPE: "0-SX" & "SX-0"
3	REVISED FOR NOA RENEWAL	08/13/13	STYLE: NARROW FINISH:
4			ACTUATION:
5			
6			
7			
8			

JOHN E. SCATES  
3121 FAIRGATE DR.  
CARROLLTON, TX 75007  
FL PE 51737

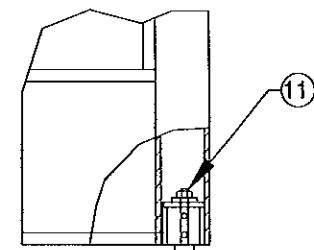


PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-053015  
Expiration Date: 08/21/2019  
By: [Signature]  
Product Code: [Signature]

A DIVISION OF OVERHEAD DOOR CORP. 4242 BALDWIN BOULEVARD CORPUS CHRISTI, TEXAS 78405-3399 361-888-5591 1-800-531-3111 FAX: 361-888-8510, 1-800-531-3108	
<b>Horton</b>	
LOCATION:	JOB: METRO-DADE
DISTRIBUTOR:	
DRAWN: M. JONES	P.O. #
CHK: AN-000000	DATE: 08/13/13

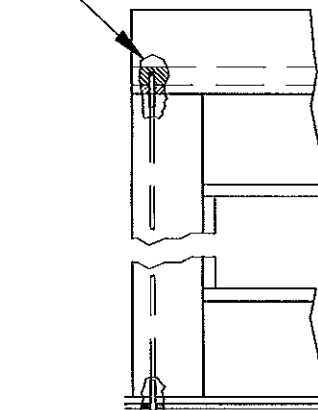


"SX" PANEL  
TOP PIVOT



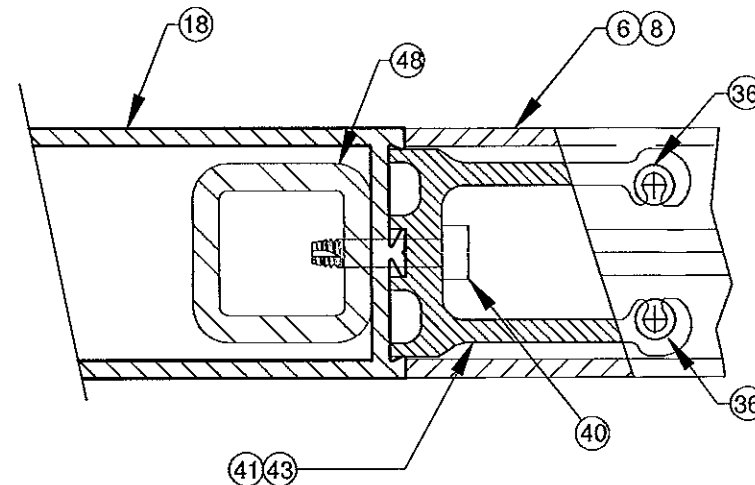
"SX" PANEL  
BTM. PIVOT

A.R. FLUSH BOLT (24)  
ENGAGED IN TOP  
BREAKAWAY BARS AT  
HEADER



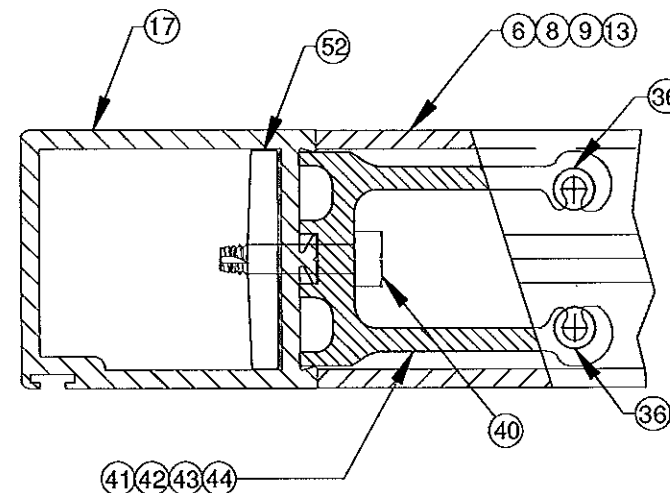
A.R. FLUSH BOLT  
ENGAGED  
IN THRESHOLD (24)

LOCK BOLT DETAIL  
3-POINT LOCK



CONNECTION BLOCK  
WITH REINFORCEMENT

STRIKE RAIL (SX)



CONNECTION BLOCK

INTERLOCK RAIL (SX)  
INTERLOCK RAIL (O)  
FIXED RAIL (O)

WEATHERSEALS:  
C350 NOSING SEAL  
C524-FL SIDE PANEL BOTTOM SEAL  
C293 WEATHER SEAL

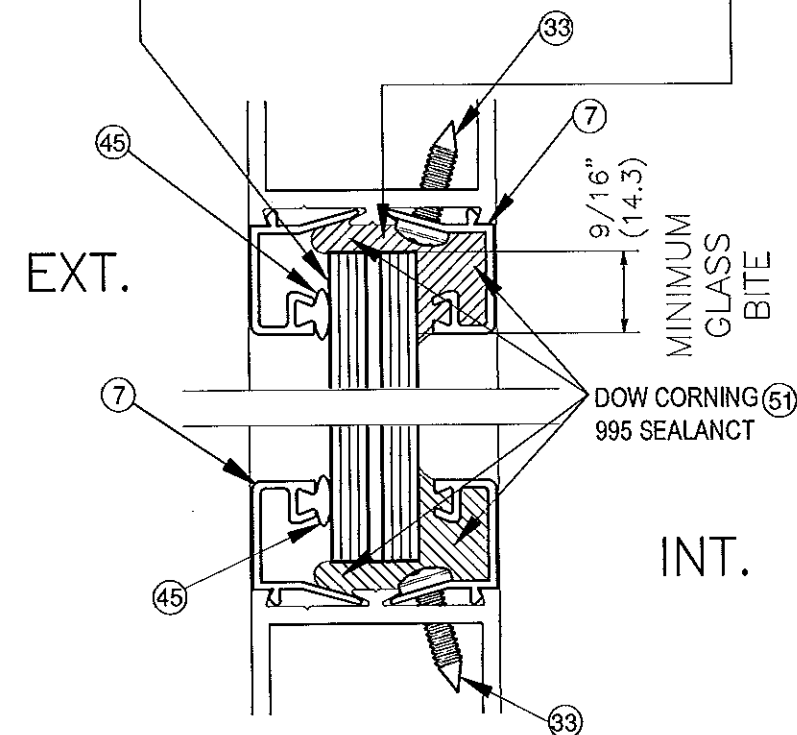
HARDWARE:  
C883 THRESHOLD/HEADER BOLT

SCHLEGEL CORP. SKIRTING SEAL #1104-5101  
FELTON NYLON BRISTLE #490621  
SCHLEGEL CORP. #8430-5016-7

ADAMS-RITE #4015

\* 9/16" thick (nominal) Laminated Glass consisting of  
the following components:  
\* Saflex CP: Composite glass interlay w/ PET core  
by Eastman Chemical Co. (MA)

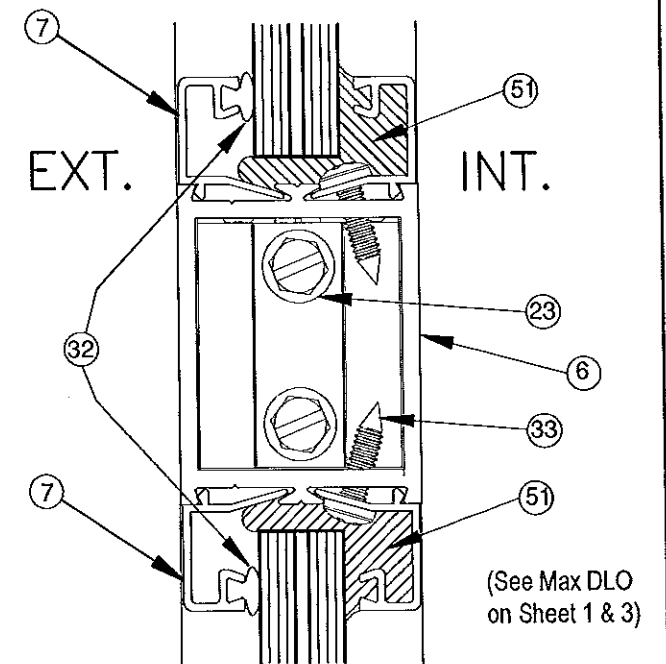
\* Interior wet glazed with Dow Corning 995  
\* Exterior side snap-in glazing bead with vinyl wedge  
\* Minimum glass bite 9/16"



GLAZING DETAIL

SANTOPRENE GASKET (ITEM 45) MIN 67  
SHORE A DUROMETER FROM CENTRAL  
PLASTICS INC.

Series 110 Impact Slide



MUNTIN OPTION

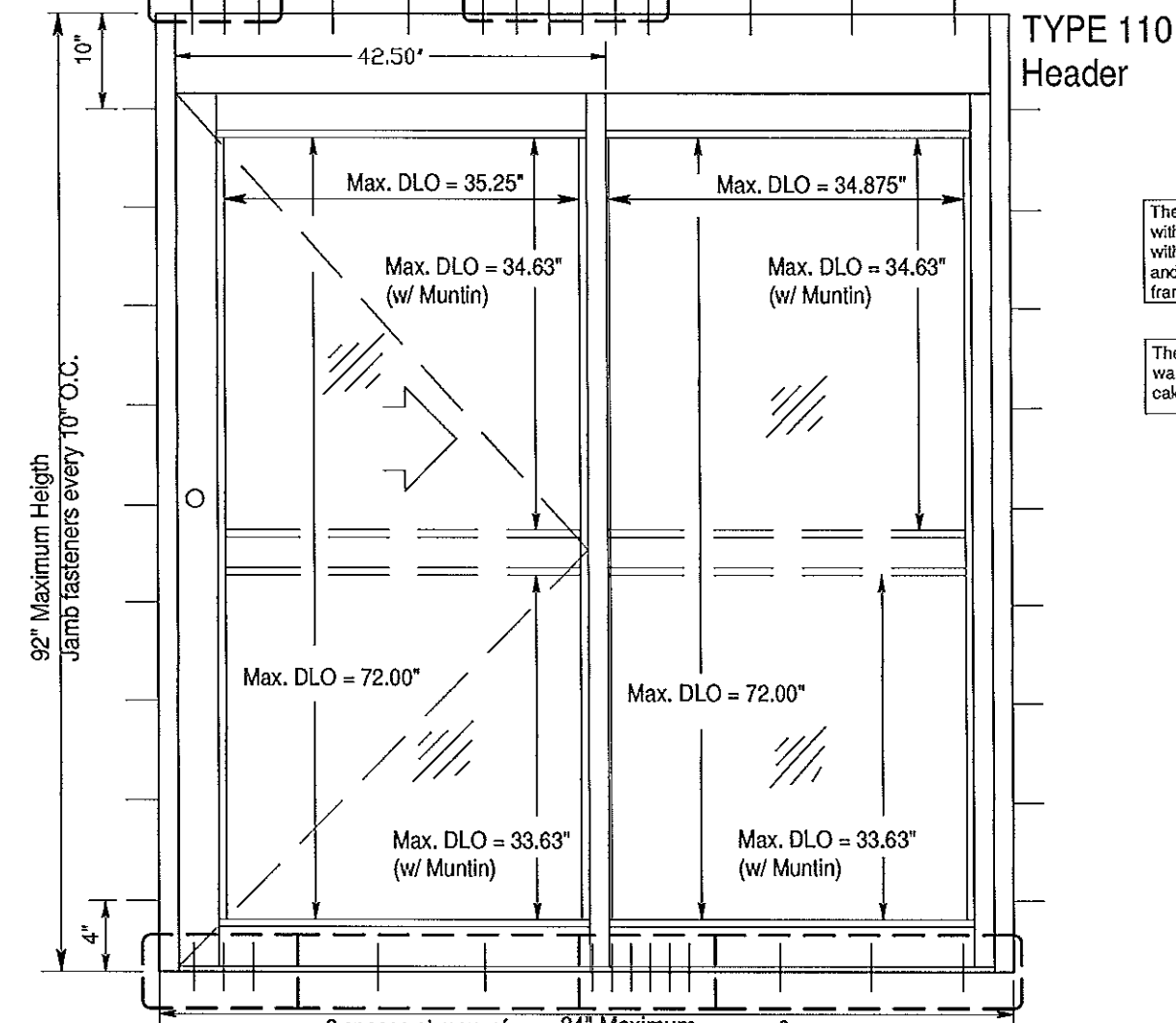
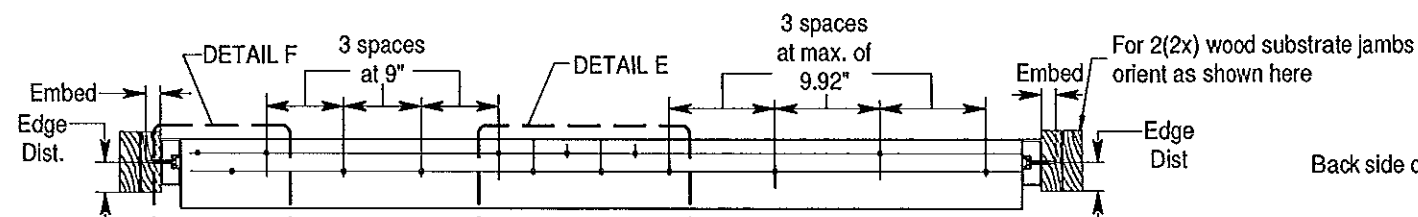
JOHN E. SCATES  
3121 FAIRGATE DR.  
CARROLLTON, TX 75007  
FL PE 51737



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0530-15  
Expiration Date 08/21/18  
By [Signature]  
Horton Dade Product Control

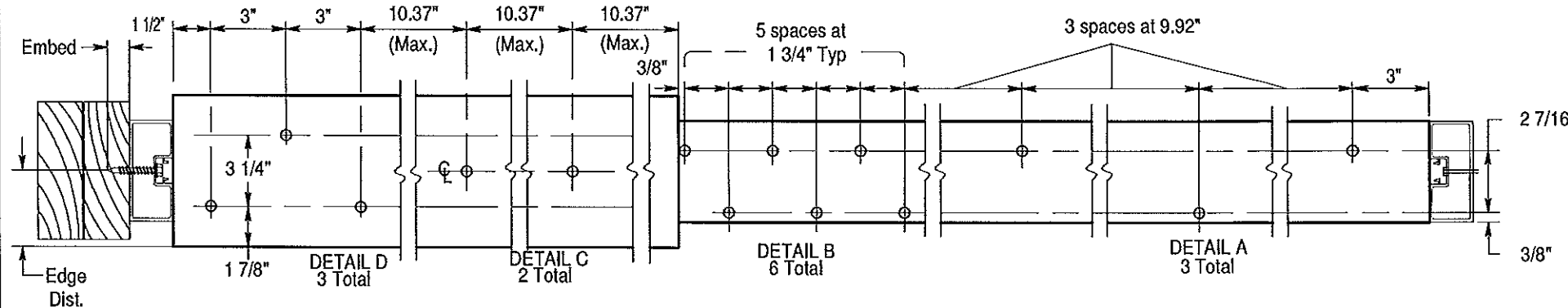
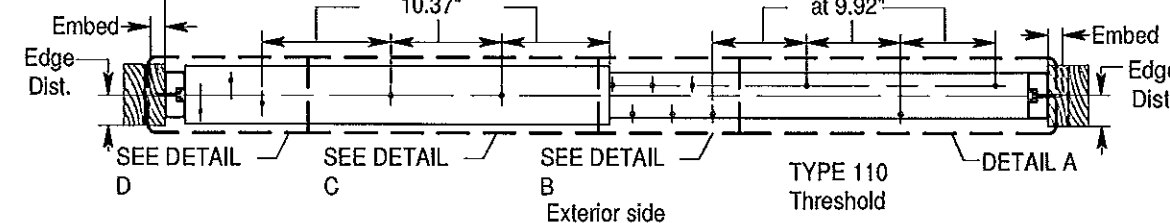
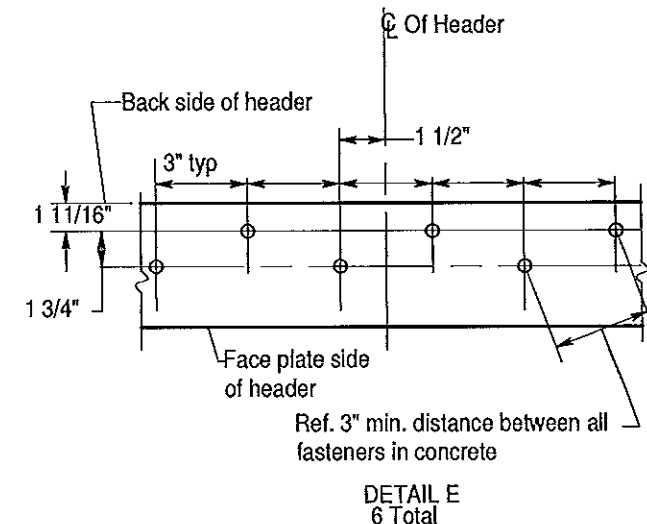
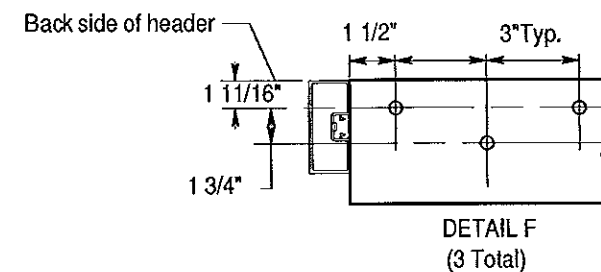
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2	REVISED AS PER P.E. MARK-UPS	12/29/09	SERIES: 110
3	REVISED FOR NOA REVIEW	08/13/13	TYPE: "O-SX" & "SX-O"
4			STYLE: NARROW FINISH:
5			ACTUATION:
6			Misc. Details
7			Dwg. No. 040709-L
8			

A DIVISION OF OVERHEAD DOOR CORP.  
4242 BALDWIN BOULEVARD  
CORPUS CHRISTI, TEXAS 78405-3399  
361-888-5591 1-800-531-3111  
FAX: 361-888-6510, 1-800-531-3108  
JOB: METRO-DADE  
LOCATION:  
DISTRIBUTOR:  
DATE: M. JONES P.O. # [ ] SHEET 2 of 5  
CHK: NADGOUDA DATE: 04/07/09 REVISION: 3



The frame must be shimmed with a type of shim complying with the Florida Building Code and is capable of resisting the frame's rotation-1/4" thk. Max

The 1.6 wind load allowance was used in the wood anchor calculations.



#### HEADER

Steel (1/4" Thick, Fy=36 KSI) - INTERCORP #14  
Steel HWH Self-Drilling Screw (Grade 5), 0.625"  
Min. Edge Distance (Full Thread Engagement)  
Aluminum(0.125" Thick Min./6063-T5) - 1/4"-14  
HWH Sheetmetal Screw (Grade 5), 1" Min. Edge  
Distance. (Full Thread Engagement)

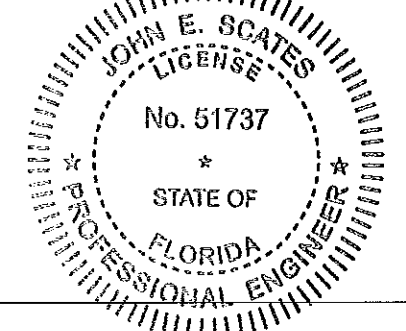
#### JAMBS

Steel (1/4" Thick, Fy=36 KSI) - ITW TEKS SCREW  
(Grade 5) #14-20, HWH Self-Drilling Screw  
0.625" Minimum Edge Distance (Full Thread  
Engagement)  
Concrete(3192 PSI) - BUILDDEX TAPCON 1/4"  
HWH Concrete Screw/Anchor, 2.0" Embed,  
2.5" Min. Edge Distance  
Masonry(Solid CMU ASTM C-90 Block) -  
BUILDDEX TAPCON 1/4" HWH Concrete  
Screw/Anchor, 2.0" Embed, 2.5" Min. Edge  
Distance  
Aluminum(0.125" Thick Minimum/6063-T5) -  
1/4"-14 HWH Sheetmetal Screw (Grade 5), 1"  
Min. Edge Distance. (Full Thread Engagement)  
Wood(#2 SYP)-#14 x 4" Long Woodscrew or 1/4"  
x 4" Long Lag Bolt - Grade 5, 2.75" Minimum  
Penetration, 1" Minimum Edge Distance.  
Minimum Buck (2) 2X8 W/Min G = .55.

#### THRESHOLD

Steel (1/4" Thick, Fy=36 KSI)- ITW TEKS SCREW  
#14-20 PFH w/Wings Self-Drilling Screw (Grade  
5), 0.625" Minimum Edge Distance (Full Thread  
Engagement)  
Concrete(3000 PSI)- BUILDDEX TAPCON FH 1/4"  
Concrete Screw 2.0" Embed, 2.5" Minimum  
Edge Distance  
Aluminum(0.125" Thick Minimum/6063-T5) -  
1/4"-14 FH Sheetmetal Screw (Grade 5), 1"  
Minimum Edge Distance (Full Thread  
Engagement)

JOHN E. SCATES  
3121 FAIRGATE DR.  
CARROLLTON, TX 75007  
FL PE 51737



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 13-0530-15  
Expiration Date 08/21/18  
By: [Signature]  
Miami Dade Product Control

#### Series 110 Impact Slide Anchor Locations

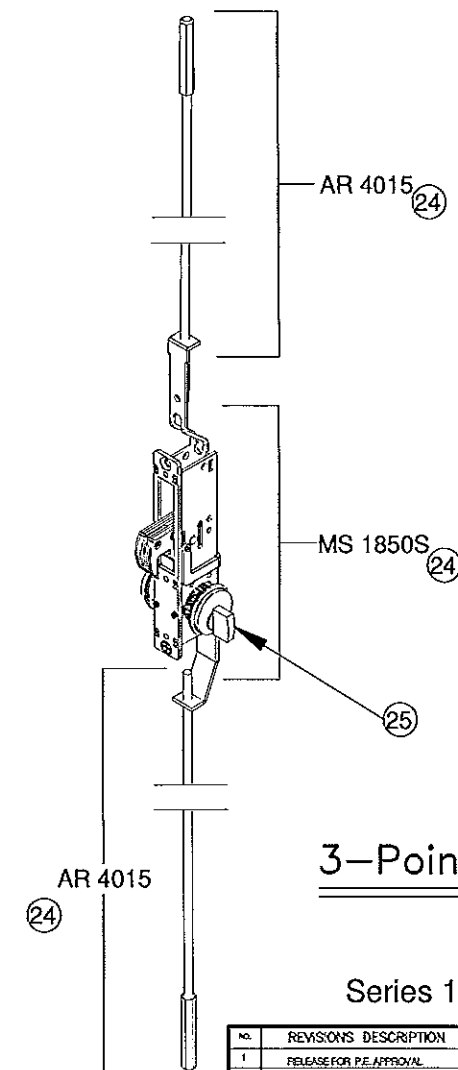
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3	REVISED FOR MOA RENEWAL	08/13/13	TYPE: "O-SX" & "SX-0"
4			STYLE: NARROW
5			FINISH:
6			ACTUATOR:
7			
8			

Anchor Locations  
Dwg. No. 040709-L

A DIVISION OF OVERHEAD DOOR CORP. 4242 BALDWIN BOULEVARD CORPUS CHRISTI, TEXAS 78405-3399 361-888-5591 1-800-531-3111 FAX: 361-888-6510, 1-800-531-3103		
<b>Horton</b>		
JOB: METRO-DADE		
LOCATION:		
DISTRIBUOR:	P.O. #	SHEET 3 of 5
DYNS: M. JONES	DATE: 04/07/09	REVISION: 3

ITEM #	HORTON PART NUMBER	DESCRIPTION
1	C03600.005AB	ALUMINUM EXTRUSION: HEADER
2	C03601.002AB	ALUMINUM EXTRUSION: HEADER FACEPLATE
3	C00358.000R	ALUMINUM EXTRUSION: ASTRAGAL
4	C00314.0000	ALUMINUM EXTRUSION: INTERLOCK TOP
5	C00327.0000AB	ALUMINUM EXTRUSION: INTERLOCK LOWER
6	C00337.000R	ALUMINUM EXTRUSION: TOP RAIL (SX) & MUNTIN (SX/O)
7	C00379.001ABC	ALUMINUM EXTRUSION: GLASS STOP
8	C00336.0001	ALUMINUM EXTRUSION: BOTTOM RAIL (SX)
9	C00325.0002	ALUMINUM EXTRUSION: BOTTOM RAIL (O)
10	C00315.0000	ALUMINUM EXTRUSION: TRACK FILLER
11	C00330.0001	ALUMINUM EXTRUSION: BOTTOM GUIDE
12	C00386.0001	ALUMINUM EXTRUSION: ADAPTOR
13	C02801.0000	ALUMINUM EXTRUSION: TOP RAIL (O)
14	C02899.0002	ALUMINUM EXTRUSION: CORNER BLOCK (USED AS REINFORCEMENT)
15	C00390.0000	ALUMINUM EXTRUSION: THRESHOLD 7"
16	C00351.0000	ALUMINUM EXTRUSION: JAMB TUBE 4" X 1-3/4 W/ POCKET
17	C00335.000R	ALUMINUM EXTRUSION: VERTICAL RAIL (SX/O INTERLOCK) (O FIXED)
18	C00363.0000	ALUMINUM EXTRUSION: VERTICAL RAIL (SX STRIKE)
19	C00818.000R	BAR TORSION
20	C00524.00FL	WEATHERSEAL BRUSH (FELTON #490621)
21	C00350.0000	NOSING SEAL SCHLEGEL #1104-5101
22	C00397.0000	ADAPTER FOR C00389.01FL
23	C00293.0000	WEATHER SEAL BRUSH SCHLEGEL #8430-5016-7
24	C00454.0000	LOCK, ADAMS RITE MS1850S W/ ADAMS RITE 4015 HEADER/THRESHOLD BOLT
25	C00463.0000	THUMBTURN ADAMS RITE 4066
26	C02098.0000	SECURITY POST; 1/2" O.D. X 3/4" LG X .083" WALL ALUM. TUBE
27	C00883.0000	3/8 HEXT BOLT ADAMS RITE 4015 EXTENDING INTO HEAD AND SILL 1/2"
28	C00843.01FL	BOTTOM GUIDE DOOR MOUNTED
29	C00844.01FL	BOTTOM GUIDE DOOR MOUNTED
30	C03638.0000	HEADER & FACEPLATE SUPPORT
31	C00371.000R	WEATHERSTRIP; PANEL TO JAMB
32	C00664.0001	#8 X 3/4 FHSMS
33	C09653.0000	#10 X 3/4 FHSMS
34	C00404.0000	1/4-20 LOCK NUT
35	C00417.0000	#14 X 1-1/2 HWSMS
36	C00449.0000	#10-24 X 1 FHMS
37	C03682.0006	DRIVE WHEEL ASSEMBLY
38	C03681.0001	IDLER WHEEL ASSEMBLY
39	C08151.0000	1/4-20 X 1 FHMS
40	C08150.0000	1/4-20 X 3/4 HHMB

ITEM #	HORTON PART NUMBER	DESCRIPTION
41	C00537.000R	CORNER BLOCK (SX TOP) (SX/O MUNTIN)
42	C09490.0001	CORNER BLOCK (O TOP)
43	C00536.0001	CORNER BLOCK (SX BOTTOM)
44	C09582.0002	CORNER BLOCK (O BOTTOM)
45	C00341.0001	VINYL GLAZING BULB
46	C00289.0000	TRACK CAP
47	C00389.01FL	INTERLOCK SEAL SCHLEGEL #7595-6011-0
48	C01905.0000	STEEL TUBE (1-1/4" X 1-1/4" X 3/16" X 80.50") A-36
49	C00437.000AB	#10-24 X 1/2 FHSMS
50	C00353.0000	COVER; RECESS - JAMB
51	C01485.0001	SILICONE; GLAZING (#995 DOW CORNING)
52	C00538.000R	BACKUP PLATE; CRS



NO.	REVISIONS DESCRIPTION	DATE	ARCHITECT:
1	RELEASE FOR P.E. APPROVAL	11/25/09	CONTRACTOR:
2	REVISED AS PER P.E. MARKUPS	12/25/09	SERIES 2001/110 TYPE "O-SX" & "SX-O"
3	REVISED FOR NOISE RENEVAL	09/13/13	STYLE: NARROW FINISH:
4			ACTUATION:
5			Bill of materials
6			Dwg. No. 040709-L
7			
8			

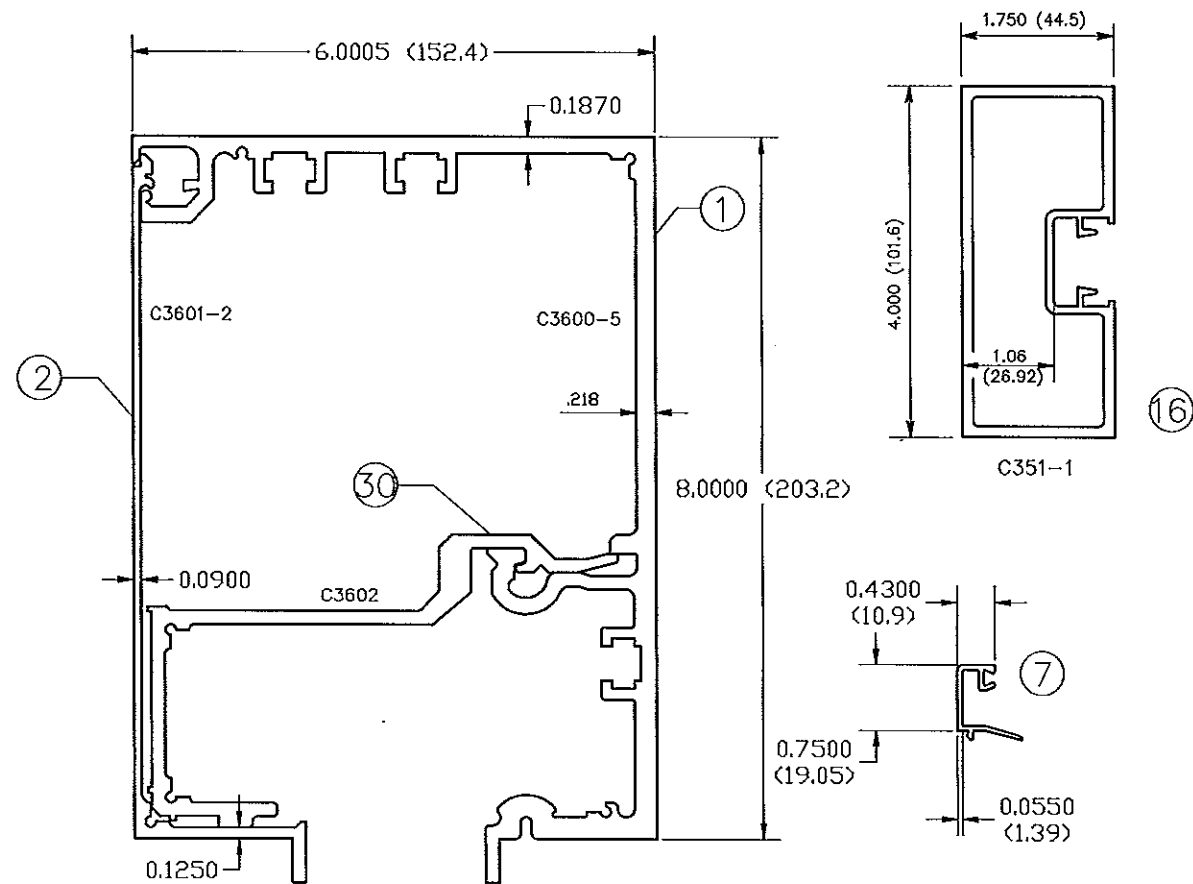
JOHN E. SCATES  
3121 FAIRGATE DR.  
CARROLLTON, TX 75007  
FL PE 51737

*John E. Scates*  
8/21/13

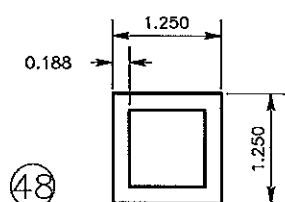
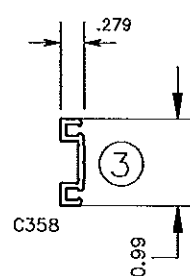
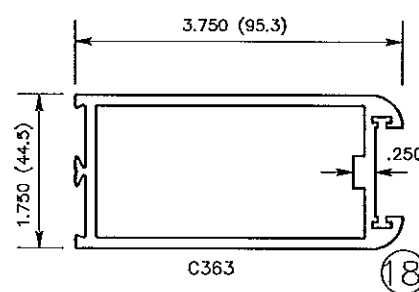
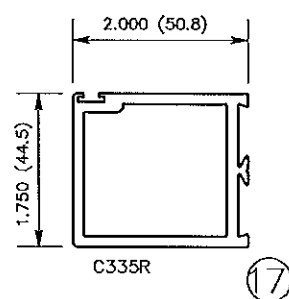
JOHN E. SCATES  
LICENSE  
No. 51737  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0530-15  
Expiration Date 08/21/18  
By *Ismael J. Chavira*  
Miami Dade Product Control

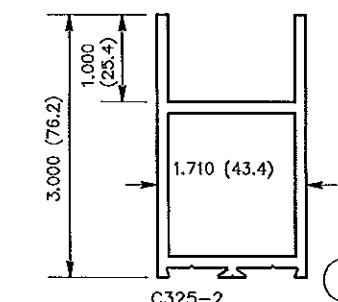
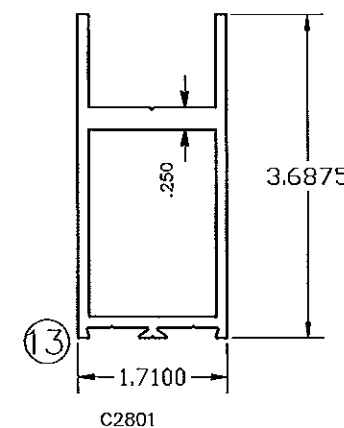
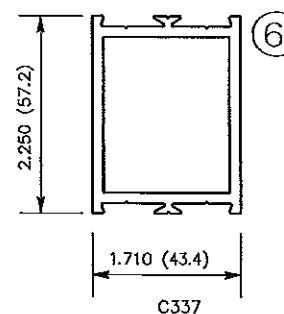
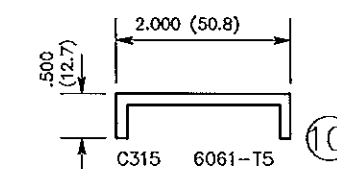
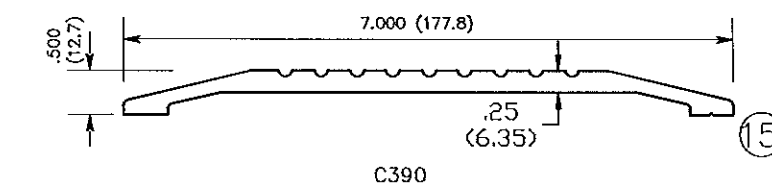
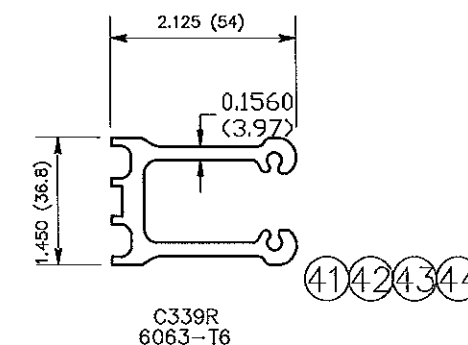
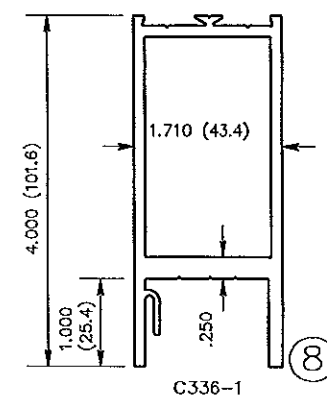
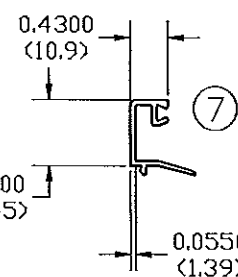
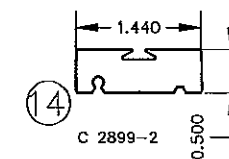
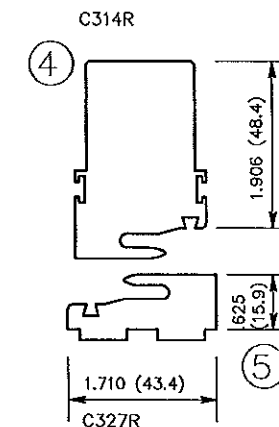
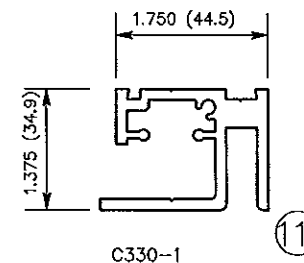
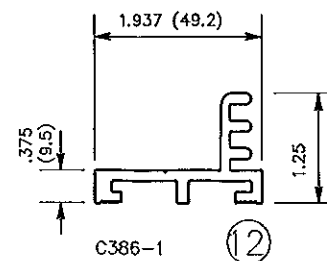
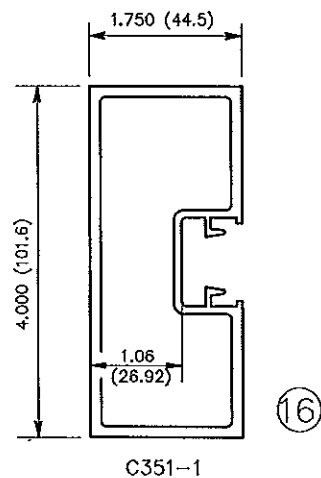
A DIVISION OF OVERHEAD DOOR CORP. 4242 BALDWIN BOULEVARD CORPUS CHRISTI, TEXAS 78405-3399 361-659-5591 1-800-531-3111 FAX: 361-688-6510, 1-800-531-3108	Horton AUTOMATIC	JOB METRO-DADE LOCATION: DISTRIBUTOR: DATE 04/07/09	REVISION 3
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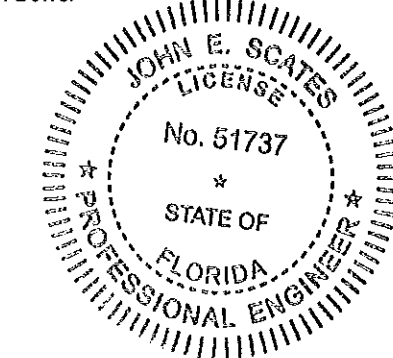
6" X 8"  
(152.4) (203.2)  
ASSEMBLED



C1905  
ASTM A-36 STEEL



JOHN E. SCATES  
3121 FAIRGATE DR.  
CARROLLTON, TX 75007  
FL PE 51737



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 13-0530-15  
Expiration Date AUG 21, 2018  
By: [Signature]  
Metal Deck Product Control

Series 110 Impact Slide

ALL EXTRUSIONS ARE 6063-T5 UNLESS  
OTHERWISE NOTED & t min=1/8"

NO.	REVISIONS DESCRIPTION	DATE	ARCHITECT:
1	RELEASE FOR P.E. APPROVAL	11/23/09	CONTRACTOR:
2	REVISED AS PER P.E. MARKUPS	11/23/09	SERIES: 110
3	REVISED FOR NOA REVENAL	06/13/13	TYPE: "O-SX" & "SX-O"
4			FINISH:
5			ACTUATION:
6			
7			
8			

Extrusion chart  
Dwg. No. 040709-L

A DIVISION OF OVERHEAD DOOR CORP. 4242 BALDWIN BOULEVARD CORPUS CHRISTI, TEXAS 78405-3399 361-888-5591 1-800-531-3111 FAX: 361-888-6510, 1-800-531-3108	
JOB: METRO-DADE	LOCATION:
DISTRIBUTOR:	DATE: 04/07/09
OWN: M. JONES	REVISION: 3
CHK: A. NADGOUDA	